# Presentation to the **Environmental Management Advisory Board**

# DOE END STATES PROJECT STATUS

Mark A. Gilbertson

Deputy Assistant Secretary for Environmental
Cleanup & Acceleration

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#### End States Project Approach

- Develop alternatives to current site cleanup baselines focused on long term risk reduction
  - □ Shift from managing risk to reducing risk
- Align protective and sustainable end state with planned future land uses and consequent exposure scenarios
- Ensure remedy evaluation and selection actions consider future land use and risks incurred while getting to a cleanup end point
- Conduct ongoing public involvement and dialogue
  - Iterative process with ongoing regulator, tribal government, and stakeholder input

#### Current Activities

- Ongoing End States Vision document reviews
  - □ Portsmouth/Paducah revised End States Vision documents released on August 22, 2005
  - □ Revised Hanford End States Vision document sent to HQ for review on July 6, 2005
  - □ Revised Savannah River End States Vision document sent to HQ for review on July 26, 2005
- Monthly conference calls with End States
   Working Group
  - Revised NRC Interagency Agreement; NRC to provide input on issues of national consideration

#### Vision Document Status

Complete	Draft	Exempt
Argonne East	Hanford	Mound
Brookhaven	Idaho	Rocky Flats
Fernald	LBNL	West Valley
Nevada Offsites	LANL	
Oak Ridge Reservation	Nevada Test Site	
Pantex	Paducah	
Sandia	Portsmouth	
	SRS	

### Environmental Management Advisory Board (EMAB) findings

- Draft findings on End States sent to EM-1 in January 2005:
  - Tailor a collaborative effort for each site and build in flexibility
  - ☐ Field offices should be the lead to develop confidence and trust with stakeholders
  - □ Collaborate with stakeholders, local governments, regulators, tribes, and workers on each sites' End States Vision document
  - Look at potential options/tradeoffs between community and site managers
  - Need to have a "business case" for each site and fiduciary responsibility for site managers
- EM-2 agreed with EMAB draft findings (8/1/05 memo)
- We look forward to your final recommendations on End States

## Addressing stakeholder concerns

- Site-led outreach, meetings and ongoing interaction
- Next Steps Workshop, Chicago, October 6-7, 2004
  - □ Co-hosted by National Governors Association
- End States panel at WM '05
  - □ Collegial panel discussion with no controversy
- End States Working Group (DOE, stakeholders, regulators)
  - □ Expanded in late 2004 to include more stakeholders
- Ongoing presentations at stakeholder meetings
  - □ DOE Intergovernmental meeting
  - □ NGA Federal Facilities meeting



#### End States Working Group

- Focus on "issues for national consideration" and vision document review
  - □ Groundwater points of compliance
  - Use of Institutional Controls at DOE sites
  - □ Federal ownership of sites in perpetuity
  - □ Long-Term stewardship at DOE sites
  - □ Overlap of RCRA and CERCLA regulation of cleanup
- Vision documents are not final documents, i.e., the End States process is a continuing, iterative activity

### End States Project Scope

- Review remaining End State Vision documents
- Identify and evaluate alternatives; assist sites with regulator/stakeholder interaction on alternative selection
- Assist sites with baseline change process to incorporate selected alternatives
- Complete review of "issues for national consideration". Provide recommendations to EM-1
- Build End States into the site transition process

### Factors Contributing to End States Decisions

- External input, stakeholder/regulator comments
- Alternatives Analysis
  - Strength of quantitative alternative/end state foundation
  - Alternatives identification not mandatory if document demonstrates end state is risk based
- Comparison of risks incurred vs. risks avoided
- Sustainable and protective future land use

#### Proposed Actions

- Sites continue stakeholder involvement in End States process
- Complete End States Vision document reviews in 2006
  - Begin evaluating cleanup changes (alternatives) with regulator and stakeholder input and support
- Continue End States Working Group meetings to discuss national issues and review site vision documents
  - □ Conduct site visits
  - Issue recommendations to EM-1 after vision document reviews



#### Examples of Alternatives

#### FEMP

➤ Disposal of more waste on-site by installing alternative wastewater treatment and completing D&D of the existing wastewater treatment facility sooner.

#### Paducah

Capping of burial grounds vs. excavation of contamination reduces worker risk and accelerates the project schedule.